



# Codes and Design Loads

## Codes and Standards

### Virginia Uniform Statewide Building Code, 2012 Edition, *effective July 14, 2014*

2012 Virginia Construction Code (IBC) | USBC, Part I

2012 Virginia Residential Code (IRC)

2012 Virginia Energy Conservation Code

2012 Virginia Mechanical Code (IMC)

2012 Virginia Plumbing Code (IPC)

2012 Virginia Fuel Gas Code (IFGC)

2011 National Electrical Code | www.nfpa.org

2012 International Swimming Pool and Spa Code

2012 Virginia Rehabilitation Code (IBC) | USBC, Part II

2012 Virginia Maintenance Code (IBC) | USBC, Part III

2012 Virginia Fire Prevention Code (IFC)

2012 Virginia Industrialized Building Safety Regulations

2012 Virginia Amusement Device Regulations

2012 Related Laws Package

ICC A117.1—2009 Accessible and Usable Buildings and Facilities

### City of Falls Church Code, *adopted 9/30/2009*

Code of the City of Falls Church,  
Virginia

## Local Design Load Criteria

Type	Criteria
Ground Snow Load	25 psf
Wind Speed for Risk Category II Buildings	
Nominal ( $V_{asd}$ )	90 mph
Ultimate ( $V_{ult}$ )	115 mph
Frost Depth	24 inches
Presumptive Soil Bearing Capacity	1500 psf
Design Lateral Soil Pressure (per foot of depth)	60 psf
Seismic spectral response accelerations	
Short Period ( $S_s$ )	0.120g
1-second Period ( $S_1$ )	0.051g
Residential Seismic Design Category (Site Class D)	A
Weathering Probability for Concrete	Severe
Termite Infestation Probability	Moderate to Heavy
Ice Shield Underlayment Required	Yes
Flood Hazard (NFIP entry date)	July 16, 2004
Winter Design Temperature	17°F
Air Freezing Index	≤1500°F
Mean Annual Temperature	50°F



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